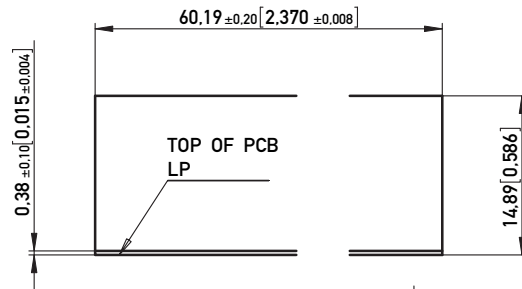
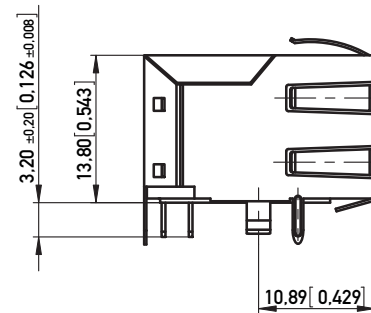
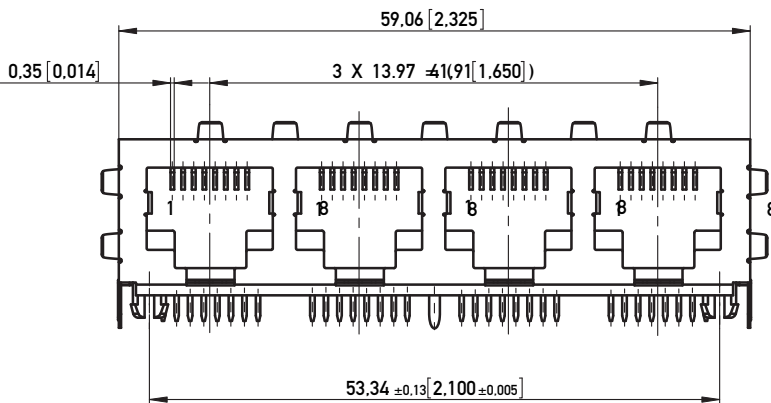
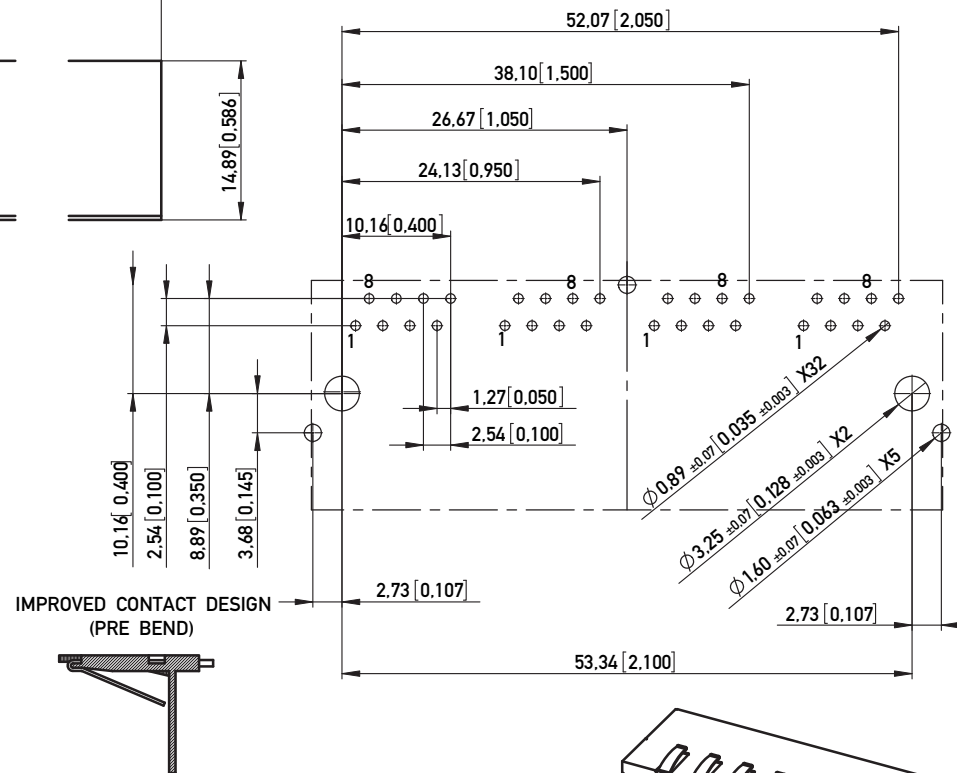


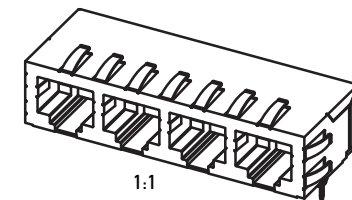
RECOMMENDED PANEL CUTOUT  
EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)  
EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)  
TOL. ±0.05 [0.002] UNLESS NOTED



- NOTE 1: SIDE SHIELD PINS IN FRONT (3.68 mm)  
NOTE 2: ONE REAR GROUNDING PIN  
NOTE 3: PANEL GROUND FLANGES TOP, BOTTOM, SIDES (GF5)  
NOTE 4: RoHS COMPLIANT



Technical specifications

Materials & Finish	Standard applic.	Value
Insulation body	Standard description	PBT 30%
Contact material	Standard description	C5210 (acc. JIS)
Contact finish, mating zone	Thickness of plating	30 µm Au over 50 µm Ni
Contact finish termination zone	Thickness of plating	80 µm matte Sn over 50 µm Ni
Shell/shield material	Standard description	C2680 (acc. JIS)
Shell/shield plating	Thickness of plating	50 µm Ni

Assembly process	
Packaging	Tray
Solder temperature	235°C at 3-5s
Suitable assembly process	wave

Approvals	
UL insulation body	UL 94 V0
UL File No.	E145613
RoHS compliant	Yes

Test Data	Standard applic.	Value
<b>Mechanical properties</b>		
Insertion/withdrawal force	IEC 603-7	max. 20 N
Mechanical operations	IEC 512-5, 9a	min. 1.000
Effectiveness of connector coupling device	IEC 512-8, 15f	50 N

Electrical properties	
<b>Creepage / clearance distances</b>	
a) Contact - contact	IEC 807-3 0.52 mm
b) Contact - shell	IEC 807-3 min. 1.0 mm
<b>Voltage proof (Dielectric Withstand Voltage)</b>	
a) Contact - contact	IEC 512-2, 4a min. 1.000 V AC/DC
b) Contact - shell/testpanel	IEC 512-2, 4a min. 1.500 V AC/DC
Current carrying capacity	IEC 512-3, 5b 1.5 A @ 25° C
Contact resistance	IEC 512-2, 2a max. 30 mOhm
Insulation resistance	IEC 512-2, 3a min. 500 MOhm

Environmental properties	
Operation temperature	0 - 70° C

PART NO. IDENT. NR.	TRANSMISSION REQUIREMENT ÜBERTRAGUNGSANFORDERUNG	CONTACT DESIGN
133209	CATEGORY 3/4	N.A.
133218	CATEGORY 5	Improved contact Design (pre Bend)
Information:		Scale 2:1
Tolerances ISO 2768-m DIN 7167		All Dimensions in mm(in)
All rights reserved. Only for Information. To insure that this is the latest version of this drawing, please contact one of the ERNI companies before using.		Designation MOD JACK - MJR 8P8C, 1X4
Subject to modification without prior notice. Drawing will not be updated.		133947
ERNI www.ERNI.com		1 (1/1)
A	04.07.2007	A3
Index	Date	Class MJ

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